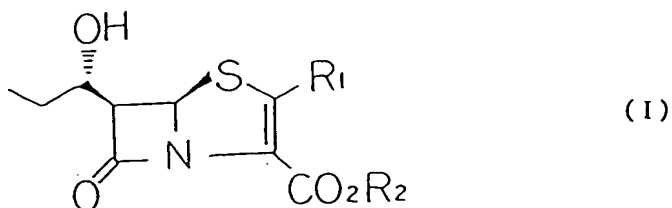


ABSTRACT

A penem derivative represented by the following formula (I):



wherein R_1 represents a substituted or unsubstituted
5 alkyl group, a substituted or unsubstituted alkenyl
group, a substituted or unsubstituted aralkyl group, a
substituted or unsubstituted aryl group, a substituted
or unsubstituted alkylthio group, a substituted or un-
substituted alkenylthio group, a substituted or un-
10 substituted aralkylthio group, a substituted or un-
substituted arylthio group, a substituted or un-
substituted heterocyclic group, a substituted or un-
substituted heterocyclic thio group, a substituted or
unsubstituted acylthio group, a mercapto group or a
15 hydrogen atom, and R_2 represents a hydrogen atom or a
carboxyl-protecting group; or a pharmacologically ac-
ceptable salt thereof.

← The compound (I) exhibits strong antibacterial
activities, and especially, shows strong activities
20 against MRSA. It is therefore useful not only as a

general antibacterial agent but also as an antibacterial agent for MRSA against which no general antibacterial agents are recognized to be effective.